



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

### Complete if Known

|                      |                    |
|----------------------|--------------------|
| Application Number   | 10/750,144         |
| Filing Date          | 12/31/2003         |
| First Named Inventor | Allan Robert Knoll |
| Art Unit             | 2831               |
| Examiner Name        | UNASSIGNED         |

Attorney Docket Number 1014-SP230

### U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
| JOB                | A                     | US- 5,527,766                            | 06/18/1996                     | Eddy   |   |
|                    | B                     | US- 5,650,377                            | 07/22/1997                     | Kern et al.  |   |
| ↓                  | C                     | US- 6,388,268 B1                         | 05/14/2002                     | Kim et al.   |   |
|                    | D                     | US-                                      |                                |  |   |
|                    | E                     | US-                                      |                                |  |   |
|                    | F                     | US-                                      |                                |  |   |
|                    | G                     | US-                                      |                                |  |   |
|                    | H                     | US-                                      |                                |  |   |
|                    | I                     | US-                                      |                                |  |   |
|                    | J                     | US-                                      |                                |  |   |
|                    | K                     | US-                                      |                                |  |   |
|                    | L                     | US-                                      |                                |  |   |
|                    | M                     | US-                                      |                                |  |   |
|                    | N                     | US-                                      |                                |  |   |
|                    | O                     | US-                                      |                                |  |   |
|                    | P                     | US-                                      |                                |  |   |
|                    | Q                     | US-                                      |                                |  |   |
|                    | R                     | US-                                      |                                |  |   |
|                    | S                     | US-                                      |                                |  |   |

### FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>6</sup> |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
|                    |                       | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                |  |   |                |
| JOB                | T                     | JP 3-283679   | 12/13/1991                     | Shimadzu Corp.                                     | English Abstract  |                |
|                    | U                     | JP 6-85337  | 03/25/1994                     | Fuji Electric Co., Ltd.                            | English Abstract  |                |
| ↓                  | V                     | JP 2000-261053  | 09/22/2000                     | Fujitsu Ltd.                                       | English Abstract  |                |
|                    | W                     | JP 2001-168404  | 06/22/2001                     | Samsung Elect. Co., Ltd.                           | English Abstract  |                |
|                    | X                     | WO 01/18885 A1  | 03/15/2001                     | Cambridge U. Tech Serv.                            |   |                |
|                    | Y                     |   |                                |  |   |                |

Examiner Signature

Jeremy Norvic

Date Considered

b-6-08

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2

of 2

### Complete if Known

|                        |                    |
|------------------------|--------------------|
| Application Number     | 10/750,144         |
| Filing Date            | 12/31/2003         |
| First Named Inventor   | Allan Robert Knoll |
| Art Unit               | 2831               |
| Examiner Name          | UNASSIGNED         |
| Attorney Docket Number | 1014-SP230         |

### NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.                  | T <sup>2</sup> |
|--------------------|-----------------------|--|----------------|
| JK                 | BA                    | Pedamig, J.D., et al., "Patterning of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> - Films using a Near-Field Optical Configuration", APPL. PHYS. A, Vol. 67, pp. 403-405, 1998   |                |
|                    | BB                    | Cobb, Coleman B., et al., "Hysteretic Loss Reduction in Striated YBCO", Physica C., Vol. 382, pp. 52-56, 2002.   |                |
|                    | BC                    | Carr, Jr., W.J., et al., "Filamentary YBCO Conductors for AC Applications", IEEE Transactions on Applied Superconductivity, Vol. 9, No. 2, pgs 1475-1478, June 1999.   |                |
|                    | BD                    | Sumption, M.D., et al., "Hysteretic Loss vs. Filament Width in Thin YBCO Films Near the Penetration Field", IEEE Transactions on Applied Superconductivity, Vol. 13., No. 2, pgs 3553-3556, June 2003.   |                |
|                    | BE                    | Suzuki, Y., "Transport Properties of Patterned Thin Lines From Epitaxial YBCO", Cornell Nanofabrication Facility, National Nanofabrication Users Network, pgs. 178-179.  |                |
|                    | BF                    | Meltaus, J., et al., "High Temperature Superconducting Thin-Film Patterning for Microwave Applications", Materials Physics Laboratory, Helsinki University of Technology, 1 pg.  |                |
|                    | BG                    | Hakola, A., "Patterning of HTS Thin Films", Department of Engineering Physics and Mathematics, Helsinki University of Technology, <a href="http://www.hut.fi/Units/AES/projects/prlaser/patterning.htm">http://www.hut.fi/Units/AES/projects/prlaser/patterning.htm</a> , 2 pgs. |                |
|                    | BH                    | "State-of-the-art of the HTS Microfabrication Technology", <a href="http://www.imel.demokritos.gr/web/NATO_973718/Proposal/stateoftheart_ofHTS_technol...">http://www.imel.demokritos.gr/web/NATO_973718/Proposal/stateoftheart_ofHTS_technol...</a> , 4 pgs, 07/17/2003.        |                |
|                    | BI                    | Tralshawala, N., et al., "Session K20 - Industrial Applications of High-Temperature Superconductor Materials", Mixed Session, Wednesday afternoon, March 19, 5 pgs.  |                |
|                    | BJ                    |  |                |

|                    |               |                 |        |
|--------------------|---------------|-----------------|--------|
| Examiner Signature | Jeremy Morris | Date Considered | 6-6-05 |
|--------------------|---------------|-----------------|--------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.